Manitoba

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Dear Colleague,

Please find attached the **Summary of Communicable Diseases for the Month of March 2006.** This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of March 2006.

Communicable Diseases

In total, there were **317** new infections occurring across 22 communicable diseases** (excluding sexually transmitted infections and HIV) in March 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Herpes with unspecified complications (1 case observed; 0 cases expected), Methicillin resistant staphylococcus aureus (MRSA; 111 cases observed; expected range = 0-82 cases), and Primary Tuberculosis (9 cases observed; expected range = 0-4 cases). The additional Tuberculosis cases are related to an outbreak in Northern Manitoba. The expected number of cases and accompanying range is based on the number of cases during February, March, and April 2001-2005.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **470** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in March: 335 cases of chlamydia (Ct), 80 cases of gonorrhoea (GC), 50 GC-Ct co-infections, and 5 cases of syphilis. Almost 60% of all GC and Ct cases in the province were reported among youth aged 15-24 years. Half of all GC and Ct cases were reported for individuals living in the Winnipeg health region, and an additional 19.3% were from the Burntwood health region.

In March **20** individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. Cases were evenly distributed between males and females, with most occurring in the 40-49 year age group.

Six Manitobans tested positive for HIV in March 2006; five of these new cases were among males.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,

Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR March 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	2	8	3	0-6	8	11
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-1		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	1
008.43	CAMPYLOBACTER	10	12	15	2-28	41	35
558.2	CLOSTRIDIUM DIFFICILE		107		***	8	321
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	3	3	0-7	1	6
065.4	DENGUE FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1	1	
008.0	E. COLI-VEROTOXIGENIC	2	1	4	0-11	6	5
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	6	6	8	2-14	14	24
041.5	H.I.B.-NON MTGS			1	0-3		
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	4		1	0-3	7	3
070.3	HEPATITIS B		1	0	0-1		2
070.51	HEPATITIS C	38	20	44	25-63	108	66
054.8	HERPES-W-UNSPEC COMPL		1	0	0-0		4
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1	2	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA	1		1	0-3	1	2
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF	1		1	0-3	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			1	0-3	2	
B95.6	MRSA/VRSA	76	111	41	0-82	228	366
072.9	MUMPS	1	1	0	0-1	1	1
036.89	N.MENINGITIDIS OTHER	2		0	0-1	2	2
728.86	NECROTIZING FASCIITIS			1	0-3	1	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1		3	0-9	12	2
038.2	PNEUM. SEPTICEMIA	12	3	6	0-12	27	13
073.9	PSITTACOSIS			0	0-1		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	4	1	1	0-4	5	1
003.0	SALMONELLA	10	12	13	4-22	31	41
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	2	1	2	0-4	5	4
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK	1		0	0-1	1	
481	STREPTOCOCCUS PNEUMONIAE	1		0	0-2	1	
127.2	STRONGYLOIDES			0	0-0		
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	3	2	0-5	4	9
011	TUBERCULOSIS - RESP.	9	10	7	3-11	23	22
010	TUBERCULOSIS-PRIM.		9	1	0-4		9
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	2		***	14	11
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO		1	1	0-3		2
047.8	VIRAL MENINGITIS-ENTERO		1		***		1
054.72	VIRAL MENINGITIS-H SIMP			0	0-0		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1	3	1	0-3	2	4
		190	**317**			**560**	**972**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR March 2006

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS					2	1									1	2						2		8
008.43	CAMPYLOBACTER									1			1			2			2	2	3	1			12
558.2	CLOSTRIDIUM DIFFICILE			2	1				1		2		1	2		4	3	7	5	4	1	40	34		107
007.8	CRYPTOSPORIDIOSIS							1								2									3
008.0	E.COLI 0157		1																						1
007.1	GIARDIA LAMBLIA			1	1				1										2		1				6
070.3	HEPATITIS B																					1			1
070.51	HEPATITIS C												1	1	1	1	3	6	5	1	1				20
054.8	HERPES-W-UNSPEC COMPL		1																						1
B95.6	MRSA/VRSA		3	4	5	1	6	3	2	3	2	1	3	4	4	5	4	3	4	5	4	24	20	1	111
072.9	MUMPS																1								1
003.0	SALMONELLA	1				1				1	1		1		1	1		1	3				1		12
004	SHIGELLOSIS																			1					1
041.2	STREP.PNEUM.OTHER																		1						1
038.2	STREP.PNEUMOCOCCAL SEPTIC															1		1		1					3
038.0	STREPTOCOCCAL SEPTICEMIA																1	1							2
013	TUBERCULOSIS - NON-RESP.									1		1											1		3
011	TUBERCULOSIS - RESP.							1							1	3		1	2			1	1		10
010	TUBERCULOSIS-PRIM.			2	1	1	3	1		1															9
B96.8	VANCOMYCIN RES. ENTER.																					1	1		2
047.1	VIRAL MENINGITIS-ECHO		1																						1
047.8	VIRAL MENINGITIS-ENTERO		1																						1
008.44	YERSINIA ENTEROCOLITICA													1	2										3
		1	7	9	8	5	10	6	4	7	5	2	7	8	9	20	14	20	24	14	10	68	60		319

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR March 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	5	1				1				1												8
008.43	CAMPYLOBACTER	6	2						1		1		1		1								12
558.2	CLOSTRIDIUM DIFFICILE	64	4		3		4		6		11		7		2			1	1			4	107
007.8	CRYPTOSPORIDIOSIS		1		1										1								3
008.0	E.COLI 0157						1																1
007.1	GIARDIA LAMBLIA	4															1		1				6
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	14	1					1					1						1		2		20
054.8	HERPES-W-UNSPEC COMPL	1																					1
B95.6	MRSA/VRSA	47	1				3		1		3	1	2		2	8	6	24	9		1	3	111
072.9	MUMPS								1														1
003.0	SALMONELLA	3					2		2		2		1				2						12
004	SHIGELLOSIS	1																					1
041.2	STREP.PNEUM.OTHER														1								1
038.2	STREP.PNEUMOCOCCAL SEPTIC	2																1					3
038.0	STREPTOCOCCAL SEPTICEMIA										1								1				2
013	TUBERCULOSIS - NON-RESP.	3																					3
011	TUBERCULOSIS - RESP.	5																5					10
010	TUBERCULOSIS-PRIM.	4																5					9
B96.8	VANCOMYCIN RES. ENTER.	1									1												2
047.1	VIRAL MENINGITIS-ECHO																1						1
047.8	VIRAL MENINGITIS-ENTERO																1						1
008.44	YERSINIA ENTEROCOLITICA	1									2												3
		162	10		4		11	1	11		22	1	12		7	8	11	36	13		3	7	319
Missing Investigation Forms (Jan.1 to end of February)		47		1	1		2	2	2	2	1		7				1	1	2				69

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - March 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	329	385	964	1112
All Gonorrhea Infections (including PRNG)	66	130	216	422
All Syphilis Infections	5	5	19	16
Gonorrhea & Chlamydia Co-infections	27	50	100	145
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	7	6	25	25

Total Number of STD Cases by Age and Gender - March 2006

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 +		Missing age/gender	Total
Disease Name	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**		
Chlamydia Only Cases							8		68	30	68	39	34	26	23	26	3	7	1	2				335
Gonorrhea Only Cases							1		7	7	11	16	4	9	3	9	1	6		4		2		80
Syphilis Only Cases											1					2			1			1		5
GC and CT Cases							2		8	4	11	5	5	4	2	5		4						50
							11		83	41	91	60	43	39	28	42	4	17	2	6		3		470
HIV															1	2		1		2				6

Regional STD Distribution - March 2006

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***	***F***	***P***				
All Chlamydia Infections	178	17	14	9		2	4	17		23		9	3	3	7	18	49	31		1		385
All Gonorrhea Infections	72	1	9	2			1	1		8			1		4	2	17	11			1	130
All Syphilis Infections	4	1																				5
GC and CT Infections	17		2				1			6			1		3	2	11	7				50

Missing Investigation Forms (Jan.1 to end of February)	43	4	1	4		1	1	10		1		3		3	3	3	24			1		102

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction